## I Claim:

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- A telephone communication system comprising: an analog telephone line having analog voice signals carried by a subscriber loop; and
- a digital data line sharing said subscriber loop with said analog telephone line, said digital data line having a digital voice channel for placing telephone voice calls.
- 2. The invention of claim 1 wherein the analog telephone line and the digital data line simultaneously provide two or more voice channels over the subscriber loop.
  - 3. The invention of claim 1 wherein the analog telephone line comprises a POTS line.
- 15 4. The invention of claim 1 wherein the digital data line comprises a high-capacity digital subscriber line.
  - 5. The invention of claim 1 wherein the digital data line comprises an asymmetric digital subscriber line.
  - 6. The invention of claim 1 wherein the digital data line comprises multiple data and voice channels.
  - 7. The invention of claim 1 wherein the digital data line comprises an ATM tranport protocol.
- 8. The invention of claim 1 further comprising an interworking unit which interfaces the digital voice channel from said digital data line into a circuit-switch protocol.
  - 9. The invention of claim 8 wherein said digital voice channel is carried by an ATM transport protocol.
  - 10. The invention of claim 8 wherein the circuitswitch protocol comprises a TR-303 interface.
- 11. A telephone communication system comprising:means for providing a telephone line having analogvoice signals carried by a subscriber loop; and

means for providing a digital data line sharing said subscriber loop with said telephone line, said digital data line providing a digital voice channel for placing telephone voice calls.

- 12. The invention of claim 11 wherein said means for providing a telephone line comprises a central office switch.
- 13. The invention of claim 11 wherein said means of providing a digital data device include a digital carrier system.

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- 14. The invention of claim 11 further comprising a means for separating analog voice signals from digital data signals.
- 15. The invention of claim 14 wherein said means of separating analog voice signals includes a splitter comprising a high-pass and a low-pass filter.
- 16. A method of providing a digital telephone line comprising:

providing an analog telephone line with analog voice signals carried on a subscriber loop; and

providing a digital data line on said subscriber loop with said analog telephone line, said digital data line having a digital voice channel; and

placing a telephone voice call over a digital voice channel of said digital data line.

17. The method of claim 16 further comprising the step of:

interfacing said telephone voice call carried by a data protocol to a switch protocol.

- 18. The method of claim 17 wherein said step of interfacing comprises converting a telephone voice signal carried by the data protocol to a switch protocol.
- 19. The method of claim 18 wherein said step of interfacing comprises the steps of:

converting said telephone voice call carried by the data protocol to an analog voice signal; and converting said analog voice signal to a switch protocol.